

**STATE OF LOUISIANA**  
**Licensing Board for Contractors**

**HIGHWAY, STREET, AND BRIDGE CONSTRUCTION STUDY GUIDE**

The classification of Highway, Street, and Bridge Construction includes the work of all of the following sub-classifications:

Clearing, Grubbing, and Snagging  
Concrete Bridges, Over and Underpasses  
Culverts and Drainage Structures  
Driveways and Parking Areas, Etc., Asphalt and/or Concrete  
Earthwork, Drainage, and Levees  
Fencing  
Highway and Street Sub-surface Drainage and Sewer Work  
Landscaping, Grading, and Beautification  
Permanent or Paved Highways and Streets (Asphalt Hot and Cold Plant Mix)  
Permanent or Paved Highways and Streets (Asphalt Surface Treatment)  
Permanent or Paved Highways and Streets (Concrete)  
Permanent or Paved Highways and Streets (Soil Cement)  
Secondary Roads  
Steel Bridges, Over and Underpasses  
Wood Bridges, Over and Underpasses  
Undersealing or Leveling of Roads

**CONTENT OUTLINE**

The following is an outline of the subject areas that will be covered in the exam:

<b><u>Subject Area</u></b>	<b><u>Percentage</u></b>
Excavation and Grading	20%
Concrete	20%
Traffic Control	15%
Asphalt	10%
Bridges and Structures	10%
Soil Mechanics	10%
Drainage Structures	10%
Pilings	5%

The examination is made up of 80 multiple-choice questions which are equally weighted. You will have four hours to complete this examination. This is a **CLOSED BOOK** exam. You will be provided with a calculator and pencils for use during the examination.

*This list is continued on the back of this page.*

**Reference List**

This reference list is just a representative sample of the materials available which contain the necessary information. There are a number of other similar books on the market containing similar information. The reference materials listed below should be helpful to candidates in preparing for this examination. These materials may NOT contain all of the information needed to be competent in this trade or to pass the examination. We try to keep this reference list current and consisting of industry-standard materials. However, due to circumstances beyond our control, some of these references may go out of print or be unavailable. Please contact the publisher, a bookstore, a book distributor, or library for these or similar reference materials. If any reference is out of print or unavailable, your local library may be able to obtain these references for your use through the services of Inter-Library Loan.

1. **Manual on Uniform Traffic Control Devices**; U. S. Department of Transportation, Federal Highway Administration; Superintendent of Documents, U. S. Printing Office; Washington, DC.(U.S. Govt. Printing Office Publication No. FHWA-SA-89-006)
2. **Moving the Earth**; Nichols, H. L.; North Castle Books; Greenwich, CT.  
(ISBN # 0-911040-12-9)
3. **Highway Materials, Soils, and Concretes**; Atkins, Harold N.; Prentice-Hall, Inc.; Englewood Cliffs, NJ.(ISBN # 0-8359-2829-2)
4. **Asphalt Paving Manual**, Manual Series No. 8; Asphalt Institute; Lexington, KY.
5. **Construction Materials and Processes**; Watson, D. A.; McGraw-Hill Book Co.; New York.(ISBN # 0-07-068476-6)
6. **Excavation and Grading Handbook**; Capachi, Nick; Craftsman Book Co., Inc.; Carlsbad, CA. (ISBN # 0-934041-29-6)
7. **Design and Construction of Sanitary and Storm Sewers**; by the American Society of Civil Engineers and the Water Pollution Control Federation.  
(ISBN # 0-943244-09-9)
8. **OSHA Standards for the Construction Industry**; Occupational Safety and Health Administration, U. S. Department of Labor, 26 CFR 1926. \*  
(U.S. Govt. Printing Office Stock # 869-032-00107-3)

\* The information in this publication can be accessed through the federal government's website at <http://www.osha.gov/>